

NORTHERN SAN DIEGO COUNTY

W6NWX  
**Scope**

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1936 - 1983

THE PALOMAR AMATEUR RADIO CLUB, INC.

POST OFFICE BOX 1603  
VISTA, CALIFORNIA 92083-0530

FEBRUARY, 1984

PRESIDENT: Ed Ross, N6GZI, San Diego  
VICE PRESIDENT: Bill Cunningham, N6GSS, Fallbrook  
SECRETARY: Billy McCord, WB6TBQ, Vista  
TREASURER: John Tentor, W6OLQ, San Diego  
EDITOR: Ralph Crossman, K6HAV, Vista

MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is \$12 per year with no initiation fee, and includes a subscription to SCOPE - like it or not. The Club's fiscal year starts August 1st. New memberships are pro-rated starting in November. Reenlistments pay the full tab whenever they occur. Family memberships are \$12 for the first member and \$9.50 for each subsequent family member living at the same address. For the occasional character who wants SCOPE without benefit of club membership, the tab is \$2.50 per annum or yearly, whichever comes first.

THE DEADLINE FOR MATERIAL FOR SCOPE is two weeks prior to the club meeting. Material for inclusion in SCOPE should be mailed to P.O. BOX 73, VISTA, CA 92083. All other correspondence should be directed to P.O. Box 1603, Vista, Ca 92083-0530.

CLUB MEETINGS take place on the first Wednesday of the month at 7:30 p.m. in the Community Room of Glendale Federal Savings and Loan Association at the corner of East Vista Way and Anza in Vista. The Club's ANNUAL PICNIC is in August. Lucky holders of tickets win prizes at the picnic. Tickets are given for joining and re-joining the Club and for participation in club activities. One ticket for each attendance.

OFFICIAL CLUB BADGES are available from the club Treasurer. He does require money and also feels that is only proper that you provide him with your name and call sign if you want them on your very own badge (just like the big guys have.)

TWO REPEATERS utilizing the club call sign, W6NWX, are owned and operated by the Club. One is on 146.130 MHz input and 146.730 MHz output. The other is on an input of 444.425 MHz with an output of 449.425 MHz. They are co-located on the Club's property on Mount Palomar at about 5,600' elevation; and are open repeaters for club members and occasional and transient users.

CLUB POLICY CONCERNING INTERFERENCE ON THE REPEATERS is: 1. Ignore the jammer. To recognize him gives him the attention he seeks. 2. Locate the jammer. All stations hearing interference should listen on the repeater input and attempt to hear and determine the direction from which the interfering signal is coming. Note any peculiarity and the strength of the signal. When active mobile direction finding is underway, the non-recognition policy in 1., above, may be blatantly ignored by club officers or control operators for obvious reasons. DO NOT discuss active DF activities on the air on any frequency.

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on W6NWX/R at 2000 local to pass formal written traffic. No net on club meeting nights. Visitors are welcome.

#### FEBRUARY CLUB MEETING

THE PROGRAM for the evening will be presented by Harry Field, W6LKC, charter PARC member and master antenna builder. This will be the second of Harry's presentations, and will show us some more of the practical stunts he uses in his antenna work. No one should miss this presentation since it's a down-to-earth expose of practical antenna building, matching, and tuning.

SHOW AND TELL will feature a short demonstration of the VIC-20 being used as a keyboard keyer and code practice system. Check January '84 QST for more details. Brian, KF6BL, might even make a tape of the program during the intermission if you bring a blank. Brian also has the QST MUF program and a distance/beam-heading program.

There will be a SILENT AUCTION on some of the small items which will be out on the auction table with cards for your bid. Write your bid and call sign on the card before the meeting and during the coffee break. At the end of the break, the high bid will win. You may bid as many times as you wish until the close of bidding. If you are the high bidder, you pays your money and you takes your merchandise. Items will include an electronic multimeter ME-6D/W, a Heathkit 75 ohm VSWR meter, small electronic parts, and hard covers for 73, QST, and CQ magazines.

COFFEE AND GOODIES will be by Matt, KA6QFF (coffee - great, as usual) and those great low-cal goodies by Susan and Linda Rohrer.

#### JANUARY CLUB MEETING

At the January club meeting, Dr. Michael Tentler gave us a most interesting presentation, in which he told us about his life in Russia and how he managed to leave the country, if only with the clothes on his back. Too bad you missed him. A fascinating story.

During Show and Tell, Bob, KA6HZF, showed us his version of the AD6Z Special 2M RDF antenna, and Stan, W9FQN, demonstrated his home-brew 81 db pad for bench use and turkey hunts. Ed, N6GZI, showed us how to cure problems of RFI on telephones.

During the business meeting, Barbara, KA6FPS, reported that she has mailed out 8-10 membership information packets to those requesting them. Three or four have joined the Club. When you give Barbara information of a prospective member, be sure and include your own name for reference, and be sure that the prospective member has asked for membership information.

Ed, WA6EYX, stated that more volunteers are needed for Red Flag Alert patrols.

N6GZI introduced the Club's officers for 1984.

Stan, W9FQN, again put on an excellent silent auction which netted the Club a pretty penny or two, as did the avocados and lemons, which he donated to the Club. The Guacamole and chips by Susan and Linda Rohrer were muy sabroso, as was the coffee by Matt, KA6QFF. The prizes won by N6INN and others too humorous to mention were excellent. A grand time was obviously had by all.

#### EXECUTIVE COMMITTEE MEETING

THE EXECUTIVE COMMITTEE, consisting of the Club's officers and committee chairmen, meets on the second Thursday of the month at Carrow's Restaurant at the corner of South Santa Fe and Santa Fe Place in Vista. Without fail, the meeting usually starts at 7:30 p.m. Club members are welcome to attend and observe - quietly, a forum with decorum.

AT THE JANUARY MEETING John, W6OLQ announced that the generator fund had fulfilled its purpose of paying for the \$264 expended to refurbish the generator. The Committee voted to put any excess from the Generator Fund into the Tower Fund. The Committee voted to recommend to the Club that the Palomar Amateur Radio Club Scholarship be disestablished; and that the matter be voted on at the March meeting. John, WD6AOL, told us about the Volunteer Examiners Program, which will start when more details are available. John, WB6IQS, announced a need for solid state 450 MHz gear to permit up-dating the repeater control system. He is looking for donations of solid state GE or Motorola rx/tx strips.

A grand time was had by all.

#### TOWER DONATED BY RADIO STATION KOGO RECEIVED. \$\$\$NEEDED FOR INSTALLATION

Plans are proceeding apace to come by the wherewithall necessary to buy the re-bar and concrete necessary to pour the base. If you'd like to help, make your check payable to the Palomar Amateur Radio Club, Tower Fund, and send it to the PARC, P.O. Box 1603, Vista, CA 92083-0530. Every little bit helps and it's going to take quite a little bit!

Thanks to Carl and Leona Wallace, K6YEO and WA6OHB; Ron Wilhemy, KF6ND; Earl Chico, K6MXM; Wade Moore, KE6XF; Bob Hoover, KA6HZF; and Chuck Calvert, KA6GRG; Matt McCormack, KA6QFF; Jim Muncy, W6HUJ; Bob Gonsett, WA6QQQ; and Charlie Fay, KE6QV for their donations to the Tower Fund. We now have more than \$200 in the Tower Fund.

#### SOLID STATE 450 MHZ MOTOROLA OR GE RECEIVER AND TRANSMITTER STRIPS NEED

Our Repeater Committee Chairman, John, WB6IQS, is planning on up-dating the repeater control system, and needs solid state 450 MHz rx/tx strips. Contact John on W6NWG/R or call him at 724-8380. Do it!

#### LICENSE EXPIRATIONS

2/84: WA7FUI, K6PP, WA6SVN, and W6QWH. 3/84: WB7NFH. 4/84: KS6S and KB6MI. Y'all get hot and send 'em your 610s. They're not THAT deregulated!

If you want to be reminded of your license expiration date, get it to the Gint Computer by calling Phil, K6ROR, at 724-0098, or on the repeater to Phil or Joe, WB6HMY.

#### BADGES

Badges anxiously awaiting their owners, who are: WD6ATX, WD6BEZ, WD6CLG, N6DRX, VE2EP, WB6GXP, NE6K, KA6MLY, KA6MWU, K4NLM, and WA6TIJ, are available from our aging-but-agile club treasurer, W6OLQ.

### COMPUTER CORNER

It looks as if Commodore will be coming out with the C-264 which will have spaces to "plug in" programs (2-3) at \$300-\$400 to start with. This machine will not have all of the C-64 features and will probably drop in price rapidly if the imports give it some competition. The 264 will cost less to produce than the C-64.

de W9FQN

### ITEMS OF INTEREST IN JANUARY 1984 AMATEUR RADIO MAGAZINES

QST: VIC-20 Keyer, RTTY Current Loop Interface, Intermodulation Distortion, Windom J-L, Practical Antennas. 73 Magazine: Crosslinking repeaters, Repeater S-Meter beeper, Alarms, Mobile Installations, Q-Meter, NiCads. CQ Magazine: Alarm system, Antenna bridge, All-Band modified Windom.

de W9FQN

### FORESAIL

(Don't be mizzen the point.)

Kenwood TS-520SE 1.8-28 MHz xcvr w/built-in cw filter and Kenwood MC-50 mike, \$400. Dentron Transmatch antenna tuner for 160-10M, \$85. Globalman EK-108-D automatic electronic keyer, \$40. Two antennas - one 40M vertical and one Mini Products hybrid quad for 20-6M w/30' mast, 100' of coax, and Channel Master rotor, all for \$175. Call Charlie, WB6DUS, at 757-0780.

Teletype machines Models 15, 19, 26, and strip/punch printers, make offer. Call Stan, W9FQN, at 749-00276.

Heathkit HO-10 Monitor Scope; Swan 500 w/pwr supply; Swan 500 w/p.s.; Kenwood VFO 820 remote vfo; Murch Ultimate Transmatch 2000A. Call Russ, W6HZJ, at 728-8925.

Collins KWM-2A, hf xcvr, round, \$400. Collins KWM-2, winged, w/pwr supply, \$300. Collins 312-B-5 outboard VFO, round, near new, \$350. Call Allen, N7AMR, at 434-5656.

Yaesu TS-720RU 450 MHz 10W FM xcvr w/detachable control head and 3M cable, \$250. Never raced. Call Gene, K6EJO, at 727-0811. 11/83

Hi-Gain TH3/3 tri-band beam. Call Russ, WB6STZ, at 583-3297. 9/83

Kenwood TS-120S w/kpwr supply, 500Hz filter, and mike, \$500. Call Bob, K7WLX, at 729-5519. 11/83

Clegg 27B 30W FM 146-148 MHz synthesized xcvr w/mobile mount and manual, \$75. Call Ralph, K6HAV, at 727-5866.

### WANTED

(Chloe!)

Antique radios, radio and ham magazines, and historical information on radio companies in the '20s and '30s. Call Floyd, W6THU, 213-242-8961 or write to Floyd Paul, 1545 Raymond, Glendale, CA 91201. Note that Floyd does get down this way frequently and is often on the repeater when here.

Dead or alive. ICom IC-22A. Copy of manual/schematic for Atronics code reader (early model). Drake FS-4 frequency synthesizer. Call Dennis, N6KI, at 271-6079. 2/84

WHEN ENLISTING OR REENLISTING IN THE ARRL, do so via the PARC and the Club will get \$2.00 which would otherwise go to keep the pot boiling in Gnington (CT 06111), that is and it won't cost you a fat farthing more than if you'd just whizzed off and dealt directly with said ARRL. The tab is \$25 per year, two years for \$49, or three for \$72. Make checks payable to the PARC and get them to Treasurer John at the P.O. Box 1603 address appearing on the masthead of this thing. Ol' John will leap with alacrity and speed to the bank.

ELECTRONICALLY ORIENTED FLEA MARTS in operation are the ones in Santee at the Santee Drive-In Theater at Highway 67 and Mission Gorge Road at 0700 on the first Saturday of the month; and the TRW ARC flea mart at the corner of Compton and Aviation Blvd in Manhattan Beach on the last Saturday of the month, from 0800 to 1100. In June, because of Field Day, the TRW flea mart is on the preceeding Saturday. TRW talk-in frequency is 145.320 MHz simplex. The Orange County Ham-Computer-Electronics Swap Meet takes place on the 2nd Sunday of the month at Orange Coast College. \$5 for sellers, free for buyers. It starts at 0700. Talk-in on 147.510 simplex or 147.090 up 600.

SURPLUS GOODIES at Hiway Electronics, 305 W. Wisconsin Ave., Oceanside. Aluminum and copper stock from Escondido Sales Yard, 1428 Mission Rd., Escondido. Electronic, mechanical, computer parts, NiCads at Industrial Liquidators, 4887 Convoy St., San Diego.

IF YOU CAN'T SELL IT, or don't want to drive all the way to Santee or TRW, the Club will be happy to take your surplus and sell it to enrich the Club's coffers. The Club will not turn it down (no SCR-522s or JUNK need apply - we have piles, thank you). Contact any club officer to make arrangements to donate your surplus IC-751 or KWM-380.

### THE PREZ SAYS

In order to meet our financial commitments we need a membership of about 250-275. We are down from that figure and down from last year's membership total at this time. It is important to our club that we extend the offer of membership to our friends who are not now members; and to those we meet with on the repeater. Let's not be bashful about telling others about our fine organization. If they express an interest, invite them to a club meeting or give their name and callsign to Barbara, KA6FPS, so that she may send them an information/membership packet. We have a fine club, let's let folks know about it.

73 de Ed Ross, N6GZI

### GENERATOR FUND

The Generator Fund has now done its job and the club treasury has been reimbursed for the \$264 spent to refurbish the fine generator donated to the Club by the former Pacific Telephone Company. Thanks to the following contributors to the fund: N6AT, W6BRF, KA6GRG, K6HAV, WB6HMY, W6HUG, KA6HZF, N6INN, WB6IQS, KF6ND, WA6NNC, WA6OHB, W6OLQ, KA6GRG, KA6QFF, KE6QV, estate of W6SCI, W6TZV, WB6TBQ, KE6XF, and K6YEO. We'll thank all of you again the first time the generator is needed. Well done!

### NEWS RELEASES FROM THE FCC

THE U.S. has third party traffic agreements with the following governments: Antigua and Barbuda, Argentina, Australia, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, The Gambia, Ghana, Grenada, Guatemala, Guyana, Haiti, Honduras, Israel, Jamaica, Jordan, Liberia, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Lucia, St. Vincent and the Grenadines, Swaziland, Trinidad and Tobago, Uruguay, and Venezuela. The U.S. also has such an agreement with the International Telecommunication Union (ITU) permitting third party traffic with its station 4U1ITU in Geneva, Switzerland.

In 1984, all FCC field offices will give examinations during the same week in each calendar quarter. Applications for exams must reach the office at which you wish to be tested by the 15th of the month preceeding the month in which tests are to be given. Examination weeks are: Feb 6-10, May 7-11, Aug 6-10, and Nov 5-9. Application cutoff dates are the 15th of Jan, Apr, Jul, and Oct. The application must be legibly completed (print) in ink. Amateur applicants must include a complete Amateur Record Card FCC form 763. If you are a licensed Amateur include the original license or photocopy thereof.

Approximately two weeks prior to the exam week you will receive an admittance pass giving date, time, and location of the exam. Do not call requesting a specific time or date or to confirm your appointment. Your pass is your confirmation. All amateur c.w. exams will be given in the morning. Non-code amateur exams will be in the afternoon. NO ADMITTANCE PASS, NO ADMITTANCE TO THE EXAM.

Current plans at the La Mesa office are to schedule amateur exams for Wednesdays. Additional days will be scheduled only if the number of applicants exceeds the exam location capacity.

The dates for the Los Angeles office are the same as for La Mesa. Exams will also be conducted in Phoenix in June. Exam applications for Phoenix must reach the L.A. office by May 18th.

Thanks to June Butler of the La Mesa Office for the above info. Thanks also to June Clark and Nash, W6HCD, for providing us with the info from the L.A. office.

### LATE STUFF FROM THE ARRL LETTER

Call signs issued by the FCC as of the first of December were: NW6Q, KF6VG, N6JRK, and KB6CYV.

A permanent third party traffic agreement is now in effect between the U.S. and Grenada, J3.

If you worked or tried to work W5LFL, please send a business-size SASE to Space Shuttle, ARRL 225 Main St., Newington, CT 06111. Mark the outside of the envelope "ham 2-way" or "reception report," as appropriate. The QSL cards will not be ready for a month or maybe more - - Garriott will send QSL artwork from the flight, and then cards will be printed. Please be patient - - we are receiving hundreds of reports and cards daily, and it looks like there's no end in sight.

### RAIN REPORTS

All you laggards who haven't been reporting your rainfall totals lately had better get hot and do it! Rainfall is reported to the National Weather Service via the Club's 2M repeater. Daily totals for the period 1100-1100 are reported to John, K6QCW, or Joe, WB6HMY, at 1100 daily. Reports should include the 24-hour total in inches and your geographical location such as

north San Marcos, central Oceanside, etc. John and Joe phone the reports to the NWS at Lindberg Field. The NWS is also interested in unusual weather phenomena, which may be reported in the same manner as rainfall, but need not wait until 1100.

#### REPEATER CONTROL OPERATORS

The Control Operators for W6NWG/R are: Guy Rowlett, KB6AI; Ralph Crossman, K6HAV; John Kuivinen, WB6IQS; Bob Heitger, WA6KZN; Phil Schutze, K6ROR.

#### SICK CALL

Jim Kavan, W6IPP, is back home again after a long, long stay in the VA Hospital in La Jolla. Thanks to Frank, WB6HFE, Jim was able to get on the air via W6NWG/R for a short while Friday before Christmas. Jim wishes to express his thanks to the many folks who sent cards and messages. Jim says he'll be back up on 2M soon, but won't be back up on HF.

Jack, W6BLL, is back home and doing fine.

#### DOWN THE TOOBE

Former Vistan and former PARC member Bill Jago, K7MO, was back in the area over the holidays visiting family.

Felix, N6IE, has a warning for fellow Avanti "through-the-glass" antennas. Felix found that the interior unit, which fastens onto the windshield with sticky tape, had come loose. He peeled off the sponge rubber with sticky tape afixed and, using some Crazy Glue, reafixed the unit to the inside of his windshield. He was chagrined the other day to find that it had again come loose, this time taking some of the windshield glass with it. He now has an irregularly shaped pitted area up to a 1/32nd of an inch deep where the glass adhered to the unit and cracked and came off. Felix deduces that the glue is stronger than the glass; and that there is a different coefficient of expansion in the glass and in the unit so that the cold nights or hot sun has done the job and caused the glass surface to flake off. Looks like we'd best stick to a non-rigid adhesive!

Had another nice note and pictures from Carl and Leona, K6YEO and WA6OHB, from Guaymas, Mexico where they now have their boat. It was written on their new Commodore 64, and quite nicely for a first effort.

Bill Driml, W6NAT, sends 73 to his friends and says he can't hear W6NWG/R from downtown Fort Dick, but he is available on the KISS Net on 3932 kHz and on the County Hunters Net on 14336 kHz daily.

Frank, WB6HFE, says that the Price Club has the Thomas Brothers Guide for San Diego County for \$6.29. He recommends that we not get the "Zip Code" version since the Zip Codes tend to overprint some of the street names.

We sure appreciate the time and effort that John, WB6IQS, and Bob, KA6HZF, have gone to take donated equipment to the Santee Flea Mart to sell for the Club. They have wiped out the mound of surplus stuff we've been storing for the Club, and the Club has turned a penny or two. Thanks also to all of those who have donated surplus gear to the Club for sale.

We hope that you old timers, who remember the Gil cartoons from QSTs of yore, will appreciate the hand-drawn copies of some of them which we'll print from time-to-time, starting in this issue. The artist is A. Nonymous, a fellow club member.

"That's all", she wrote.

#### RECEIVED TOO LATE TO CALCIFY

WANTED: Xtal controlled 2M RX, can be from HT or other xtal controlled solid state rig. RX must be operable. Call Stan, W9FQN, at 749-0276.

# ADVERTISING

Here is your opportunity to advertise in the SCOPE! Palomar Amateur Radio Club Members are the GOOD GUYS and it pays to do business with them. You can do business with your friends, help the club, and possibly get a "tax write off".

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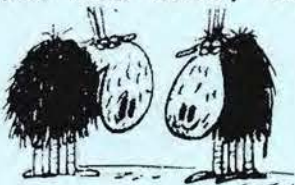
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